

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution:</b> <i>Anne Arundel Community College</i>			
N/A-AACC/0	<b>NOTE:</b> <i>There have been no CW CESU projects reported to the host office for Anne Arundel Community College</i>	15	\$0
To Be Determined	To Be Determined	through	To Be Assigned
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>15</i>
<b>Total Actions by Partner:</b>		<i>1</i>	<b>Total for:</b> <i>AACC</i>
			<b>\$0.00</b>
			<b>\$0.00</b>





























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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P12AC11206/1	<i>Vision Paper: 21st Century National Park Service Interpreter Skills</i>	13	\$0
NPS	<i>NCE</i>	10/1 /2013	<i>through</i> 3 /30/2014
Carol Stapp	physical	education	Holly Fisher
P12AC11223/1	<i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>	13	\$45,825
NPS	<i>Additional Funds</i>	10/1 /2012	<i>through</i> 8 /30/2015
Stephen Lubkemann	social	education	Brett Seymour
P12AC11223/2	<i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>	13	\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion – no change to TA number.</i>	1 /14/2013	<i>through</i> 1 /14/2013
Stephen Lubkemann	social	education	Brett Seymour
P12AC11223/3	<i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>	13	\$45,825
NPS	<i>Additional Funds</i>	9 /10/2013	<i>through</i> 8 /30/2015
Stephen Lubkemann	social	education	Brett Seymour
P12AC11236/1	<i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>	13	\$107,000
NPS	<i>Additional Funds, modified scope of work</i>	9 /26/2012	<i>through</i> 9 /30/2014
Kym Rice	social	education	Robert Sonderman
<b>Total Actions by FY:</b>		<b>6</b>	<b>Total for FY: 13</b>
			<b>\$233,650.00</b>

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<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
P12AC10857/3	<i>Developing National Park Service Museum Management Guidance and Education Materials</i>		14	\$31,000	
NPS	<i>Additional Funds and Time</i>		9 /21/2012	<i>through</i>	12/31/2016
Mary Coughlin	social	education	Joan Bacharach		
P12AC11236/3	<i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>		14	\$60,000	
NPS	<i>Additoinal Funds, Scope and Time</i>		9 /23/2012	<i>through</i>	9 /30/2015
Kym Rice	social	education	Robert Sonderman		
P14AC01529/0	<i>Research and Promote Potomac Heritage National Scenic Trail Experiences</i>		14	\$27,612	
NPS	<i>New Award</i>		9 /29/2014	<i>through</i>	1 /15/2016
Kristin Lamoureux	biological	research	Donald Briggs		
P14AC01605/0	<i>Introductory Training on Program Evaluation with Focus on Internships</i>		14	\$15,110	
NPS	<i>New Award</i>		9 /25/2014	<i>through</i>	12/30/2015
James Robinson	social	research	Dorothy Howard		
P14AC01801/0	<i>New Media Design and Production Internship Program</i>		14	\$22,500	
NPS	<i>New Award</i>		9 /24/2014	<i>through</i>	12/30/2015
Imani Cheers	social	research	Dorothy Howard		
<b>Total Actions by FY:</b>		<b>5</b>	<b>Total for FY:</b>		<b>14</b>
					<b>\$156,222.00</b>

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<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P12AC11223/4	<i>The Archeological and maritime Archeological Signatures of Slavery: Research and Education</i>	15	\$0
NPS	<i>NCTE</i>	8 /22/2012	<i>through</i> 7 /30/2016
Stephen Lubkemann	social	education	Brett Seymour
P12AC11236/4	<i>Preservation and Analysis of National Park Service - National Capital Region Museum Collections</i>	15	\$0
NPS	<i>NCTE</i>	10/1 /2015	<i>through</i> 12/31/2016
Kym Rice	social	education	Robert Sonderman
P15AC01531/0	<i>Promoting Potomac Heritage National Scenic Trail Experiences</i>	15	\$27,612
NPS	<i>New Award</i>	9 /1 /2015	<i>through</i> 12/31/2016
Kristin Lamoureux			Donald Briggs
P15AC01663/0	<i>Preservation and Documentation of National Park Service Museum Collections</i>	15	\$70,000
NPS	<i>New Award</i>	9 /1 /2015	<i>through</i> 12/31/2016
Kym Rice			Robert Sonderman
<b>Total Actions by FY:</b>		<b>4</b>	<b>Total for FY: 15</b>
<b>Total Actions by Partner:</b>		<b>19</b>	<b>Total for: GWU</b>
			<b>\$97,612.00</b>
			<b>\$653,784.00</b>

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution:</b> <i>Howard University</i>				
P12AC11220/0	<i>Ethnographic Overview and Assessment of the Quaker Colored Union Benevolent Cemetery Site at Rock Creek and Potomac Parkway ofr Rock Creek Park</i>	12	\$61,678	
NPS	<i>New Award</i>	9 /1 /2012	<i>through</i>	12/31/2014
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 12</b>	
			<b>\$61,678.00</b>	
P13AC01419/0	<i>CESU Network National Office Minority Fellowship - Geodatabase Policy</i>	14	\$24,998	
NPS	<i>New Award</i>	8 /15/2014	<i>through</i>	6 /30/2015
Middendorf		Tom Fish		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 14</b>	
			<b>\$24,998.00</b>	
P13AC01419/1	<i>CESU Network National Office Minority Fellowship - Geodatabase Policy</i>	15	\$13,501	
NPS	<i>Additonal Funding</i>	8 /15/2015	<i>through</i>	6 /30/2016
Middendorf		Tom Fish		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 15</b>	
			<b>\$13,501.00</b>	
P12AC11220/1	<i>Ethnographic Overview and Assessment of the Quaker Colored Union Benevolent Cemetery Site at Rock Creek and Potomac Parkway ofr Rock Creek Park</i>	16	\$0	
NPS	<i>NCE</i>	9 /1 /2012	<i>through</i>	8 /31/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<i>Total Actions by FY:</i>		<i>1</i>	<i>Total for FY: 16</i>	<i>\$0.00</i>
<i>Total Actions by Partner:</i>		<i>4</i>	<i>Total for: HU</i>	<i>\$100,177.00</i>

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<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution: Indiana University of Pennsylvania</b>				
68-7482-12-502/0	<i>Monitoring and evaluating golden-winged warbler response to breeding habitat management associated with the NRCS Golden-winged Warbler Initiative</i>	12	\$607,313	
USDA NRCS	<i>New Award</i>	3 /22/2012	<i>through</i>	3 /31/2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	To Be Assigned
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 12</b>	
			<b>\$607,313.00</b>	
68-7482-15-501/0	<i>Monitoring and evaluating golden-winged warbler response to breeding habitat management associated with the NRCS Golden-winged Warbler Initiative</i>	15	\$310,000	
USDA NRCS	<i>New Award</i>	4 /15/2015	<i>through</i>	4 /30/2017
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	To Be Assigned
P15AC00083/0	<i>Geophysical Survey and Archeological Site Assessment at Fort Necessity National Battlefield</i>	15	\$79,766	
NPS	<i>New Award</i>	2 /2 /2015	<i>through</i>	11/20/2016
Ben Ford		William Griswold		
P15AC01239/0	<i>Fort Necessity NB Archeological Overview and Assessment</i>	15	\$52,000	
NPS	<i>New Award</i>	9 /1 /2015	<i>through</i>	12/30/2016
Ben Ford		William Griswold		
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 15</b>	
<b>Total Actions by Partner:</b>		<b>4</b>	<b>Total for: IUP</b>	
			<b>\$1,049,079.00</b>	

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<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution:</b> <i>James Madison University</i>			
N/A-JMU/0	<b>NOTE: There have been no CW CESU projects reported to the host office for James Madison University</b>	15	\$0
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
<b>Total Actions by FY:</b>		<b>Total for FY:</b>	
	<i>1</i>	<i>15</i>	<i>\$0.00</i>
<b>Total Actions by Partner:</b>		<b>Total for:</b>	
	<i>1</i>	<i>JMU</i>	<i>\$0.00</i>
<b>Partner Institution:</b> <i>National Aquarium in Baltimore</i>			
P13AC01438/0	<b>Parks as Classrooms: Rock Creek Park Urban Wildlife Kit</b>	13	\$19,975
NPS	<b>New Project</b>	9 /30/2013	<i>through</i> 8 /30/2014
Laura Bankey	social	education	Rita Gunther
<b>Total Actions by FY:</b>		<b>Total for FY:</b>	
	<i>1</i>	<i>13</i>	<i>\$19,975.00</i>
<b>Total Actions by Partner:</b>		<b>Total for:</b>	
	<i>1</i>	<i>NAB</i>	<i>\$19,975.00</i>

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution:</b> <i>Pennsylvania State University</i>				
11-JV-11242302-089/0	<i>Identifying the cumulative landscape effects of shale gas development on forested ecosystems in Pennsylvania</i>	11	<b>\$105,586</b>	
USFS	<i>New Award</i>	9 /13/2011	<i>through</i>	9 /12/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	To Be Assigned
11-JV-11242302-090/0	<i>Developing an advance regeneration model for PA hardwood forest ecosystems</i>	11	<b>\$37,600</b>	
USFS	<i>New Award</i>	8 /31/2011	<i>through</i>	8 /31/2012
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	To Be Assigned
68-4782-11-513/0	<i>Rapid Assessment of soil carbon assistance for Pennsylvania</i>	11	<b>\$13,087</b>	
USDA NRCS	<i>New Award</i>	4 /11/2011	<i>through</i>	3 /31/2012
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	To Be Assigned
J-2128-10-0505/1	<i>NPS Species taxonomic review and park species list re-certification for the Mojave Desert Network parks</i>	11	<b>\$37,559</b>	
NPS	<i>Modified Scope, term extended, additional funds, personnel change</i>	2 /6 /2010	<i>through</i>	3 /15/2012
Margot Kaye	biological	research	Nita Tallent-Halsell	
J-3992-08-0505/3	<i>Invasive Species Early Detection Protocol Development for the Eastern Rivers and Mountains (ERMN) and Northeast Temperate (NETN) Networks</i>	11	<b>\$0</b>	
NPS	<i>Admin modification</i>	1 /1 /2012	<i>through</i>	6 /30/2012
Margot Kaye	biological	research	Matthew Marshall	

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
J-3992-09-0501/2	<i>Development and Implementation of a Vegetation Monitoring Protocol for the Eastern Rivers and Mountains Network of the National Park Service</i>	11	\$185,070
NPS	<i>Additional Tasks, Funds and Term Extension</i>	6 /20/2011	through 6 /30/2013
Duane Diefenbach	biological	research	Matthew Marshall
J-3992-09-0502/1	<i>Assessment of Natural Resource Condition at Three National Parks in the Northeast Region: Roosevelt-Vanderbilt NHS (ROVA); Saratoga NHP (SARA), and Morristown NHP (MORR)</i>	11	\$0
NPS	<i>No Cost Extension</i>	12/8 /2010	through 9 /30/2014
Andrew Cole	physical	research	Mary Foley
J-3992-09-0503/1	<i>Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest</i>	11	\$3,995
NPS	<i>Additional Funds</i>	10/1 /2011	through 12/31/2011
Lee Newsom	biological	research	Mike Russo
J-4531-10-0814/1	<i>An evaluation of existing vegetation data and data gaps leading to inventories and forest management recommendations for the desired conditions of Mount Joy and Mount Misery at Valley Forge National Historical Park (VAFO)</i>	11	\$20,166
NPS	<i>Additional Funds</i>	5 /27/2010	through 12/31/2011
Marc Abrams	biological	research	John Karish

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
J-4531-10-0848/1	<i>Development and Implementation of the Streamside Bird Monitoring Protocol for the Eastern Rivers and Mountains Network (ERMN) of the National Park Service</i>	11	\$56,247
NPS	<i>Additional Funds</i>	9 /30/2010 <i>through</i>	12/31/2013
Duane Diefenbach	biological	research	Matthew Marshall
P11AT30686/0	<i>Building Connections Between National Park Service Natural Resource Issues and the Public</i>	11	\$25,000
NPS	<i>New</i>	8 /8 /2011 <i>through</i>	6 /30/2012
James Finley	social	education	John Karish
P11AT30930/0	<i>Natural resource assessments: Fredericksburg and Spotsylvania County Battlefield Memorial Park</i>	11	\$56,136
NPS	<i>New</i>	9 /22/2011 <i>through</i>	12/31/2013
Carolyn Mahan	archeological	research	Charles Roman
P11AT30931/0	<i>Invasive Species Early Detection Protocol Development for the Cumberland Piedmont Network (CUPN)</i>	11	\$46,849
NPS	<i>New</i>	9 /20/2011 <i>through</i>	12/31/2012
Margot Kaye	biological	research	Teresa Leibfreid
<b>Total Actions by FY:</b>		<b>13</b>	<b>Total for FY: 11</b>
			<b>\$587,295.00</b>
P12AC10590/0	<i>NPSpecies and DataStore Application Management for the Eastern Rivers and Mountains Network</i>	12	\$49,682
NPS	<i>New Project</i>	7 /10/2012 <i>through</i>	12/31/2013
Margot Kaye	physical	research	Matthew Marshall

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
P12AC11017/0	<i>Fish Coimmunity Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i>	12	\$67,700	
NPS	<i>New Project</i>	8 /10/2012	<i>through</i>	12/31/2013
Tyler Wagner	biological	research	Matthew Marshall	
<b>Total Actions by FY: 2</b>		<b>Total for FY: 12</b>		<b>\$117,382.00</b>
J-2128-10-0505/3	<i>NPS Species taxonomic review and park species list re-certification for the Mojave Desert Network parks</i>	13	\$0	
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	3 /14/2012	<i>through</i>	3 /15/2012
Margot Kaye	biological	research	Penny Latham	
J-3992-09-0501/4	<i>Development and Implementation of a Vegetation Monitoring Protocol for the Eastern Rivers and Mountains Network of the National Park Service</i>	13	\$0	
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	1 /14/2013	<i>through</i>	6 /30/2013
Duane Diefenbach	biological	research	Matthew Marshall	
J-3992-09-0502/2	<i>Assessment of Natural Resource Condition at Three National Parks in the Northeast Region: Roosevelt-Vanderbilt NHS (ROVA); Saratoga NHP (SARA), and Morristown NHP (MORR)</i>	13	\$0	
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	1 /14/2013	<i>through</i>	9 /30/2014
Andrew Cole	physical	research	Mary Foley	

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
J-3992-09-0503/3	<i>Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest</i>	13		\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	12/30/2011	<i>through</i>	12/31/2011
Lee Newsom	biological	research	Mike Russo	
P11AT30930/1	<i>Natural resource assessments: Fredericksburg and Spotsylvania County Battlefield Memorial Park</i>	13		\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	1 /1 /2013	<i>through</i>	12/31/2013
Carolyn Mahan	archeological	research	Charles Roman	
P12AC10590/1	<i>NPSpecies and DataStore Application Management for the Eastern Rivers and Mountains Network</i>	13		\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	7 /10/2012	<i>through</i>	12/31/2013
Margot Kaye	physical	research	Matthew Marshall	
P12AC11017/1	<i>Fish Coimmunity Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i>	13		\$80,000
NPS	<i>Additional Funds</i>	8 /10/2013	<i>through</i>	12/31/2014
Tyler Wagner	biological	research	Matthew Marshall	
P12AC11017/2	<i>Fish Coimmunity Assessment in the Eastern Rivers and Mountains Network and Integration with Existing Monitoring Data</i>	13		\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion – no change to TA number.</i>	1 /14/2013	<i>through</i>	1 /14/2013
Tyler Wagner	biological	research	Matthew Marshall	

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<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P13AC00802/0	<i>Modeling Evapotranspiration (ET) in Everglades Natinal Park using Eddy Covariance Data and Satelite-based Information</i>	13	\$75,000
NPS	<i>New Project</i>	8 /6 /2013	<i>through</i> 12/31/2014
Jose Fuentes	biological	research	Kevin Kotun
P13AC00868/0	<i>A Social Normative Study of Backcountry Visitor's Acoustic Expectations and Experiences in Denali Park and Preserve</i>	13	\$29,000
NPS	<i>New Project</i>	8 /8 /2013	<i>through</i> 12/31/2014
Peter Newman	biological	research	David Schirokauer
P13AC01198/0	<i>Development of Visitor-based Acoustical Indicators and Standards</i>	13	\$79,210
NPS	<i>New Award</i>	10/24/2013	<i>through</i> 12/31/2014
Peter Newman	social	education	Linda Drees
P13AC01255/0	<i>Informing Visitor Use Management Strategies for the Moose-Wilson Corridor, Grand Teton National Park</i>	13	\$154,603
NPS		8 /1 /2013	<i>through</i> 12/31/2015
Peter Newman		To Be Assigned	To Be Assigned
P13AC01310/0	<i>Assessment of Natural Resource Condition at Morristown National Historic Park (MOOR): Revision to included Hurricane Sandy Impacts</i>	13	\$5,000
NPS	<i>New Project</i>	9 /23/2013	<i>through</i> 12/31/2014
Andrew Cole	physical	research	Charles Roman
W9126G-13-2-0042/0	<i>Old-Growth Forest Restoration</i>	13	\$88,500
DOD,DUSD	<i>New Award</i>	10/1 /2013	<i>through</i> 12/30/2015
Marc Abrams		To Be Assigned	To Be Assigned

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Total Actions by FY:</b>		<b>14</b>	<b>Total for FY: 13</b>
			<b>\$511,313.18</b>
14-JV-11242302-062/0	<i>Cerulean Warbler response to species-specific forest management guidelines and post-fldgling habitat use and survival in managed forests</i>	14	\$0
USFS	<i>New Award - non cash agreement</i>	8 / 8 / 2014	<i>through</i> 6 / 30 / 2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
14-JV-11242302-144/0	<i>Potential range changes of vegetation populations under climate change</i>	14	\$25,000
USFS	<i>New Award</i>	9 / 4 / 2014	<i>through</i> 8 / 31 / 2019
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00068/0	<i>Developing and Amphibian Occurrence Database to Examine the Impact of Water Availability on Occupancy Dynamics</i>	14	\$50,000
USGS	<i>New Award</i>	4 / 1 / 2014	<i>through</i> 3 / 31 / 2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00122/0	<i>Collaborative Research: US Topo Evaluation and Cartographic Application for the Nation Map</i>	14	\$39,994
USGS	<i>New award</i>	6 / 1 / 2014	<i>through</i> 5 / 31 / 2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
P13AC00802/2	<i>Modeling Evapotranspiration (ET) in Everglades Natinal Park using Eddy Covariance Data and Satelite-based Information</i>	14	\$85,000
NPS	<i>Additional Funding</i>	8 / 6 / 2103	<i>through</i> 12 / 31 / 2015
Jose Fuentes	biological	research	To Be Assigned To Be Assigned

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
P13AC01198/1	<i>Development of Visitor-based Acoustical Indicators and Standards</i>	14	\$107,999	
NPS	<i>Additional Funds</i>	10/24/2013	<i>through</i>	12/31/2015
Peter Newman	social	education	Linda Drees	
P14AC00209/0	<i>Climate Monitoring and Reporting in the Eastern Rivers and Mountains and the Mid-Atlantic Networks of the National Park Service US DOI</i>	14	\$54,147	
NPS	<i>New Award</i>	4 /2 /2014	<i>through</i>	12/31/2016
Paul Knight	biological	research	Matthew Marshall	
P14AC00210/0	<i>Identifying critical thresholds: relating soil solutions and exchangeable chemistry to detrimental plant responses</i>	14	\$20,539	
NPS	<i>New Award</i>	3 /25/2014	<i>through</i>	12/31/2015
Erica Smithwick	biological	research	Tamara Biett	
P14AC00924/0	<i>Forest understory community composition in response to caopy disturbance in the NPS Eastern Rivers and Mountains Network</i>	14	\$76,988	
NPS	<i>New Award</i>	6 /20/2014	<i>through</i>	9 /30/2016
Margot Kaye	biological	research	Matthew Marshall	
P14AC01323/0	<i>National Park natural resource assessment: Synthesizing and interpreting existing natural resource information and studies to better inform park planning in New River Gorge National River</i>	14	\$71,234	
NPS	<i>New Award</i>	9 /16/2014	<i>through</i>	3 /31/2017
Carolyn Mahan	biological	research	Charles Roman	

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>		<i>Agency Representative</i>
P14AC01354/0	<i>Assessment of natural resource condition at two national park units in the Eastern Rivers and Mountains Network: Fort Necessity National Battlefield and Friendship Hill National Historic Site</i>	14	\$90,000	
NPS	<i>New Award</i>	8 /18/2014	<i>through</i>	8 /31/2017
Charles Cole	biological	research		Charles Roman
P14AC01373/0	<i>Radial growth analysis of trees in the National Park Service Eastern Rivers and Mountains Network</i>	14	\$11,634	
NPS	<i>New Award</i>	7 /25/2014	<i>through</i>	8 /31/2015
Margot Kaye	biological	research		Matthew Marshall
P14AC01495/0	<i>Bird Community Composition and Site Occupancy Dynamics in the National Park Service Eastern Rivers and Mountains Network</i>	14	\$93,963	
NPS	<i>New Award</i>	9 /23/2014	<i>through</i>	12/31/2016
David Miller	biological	research		Matthew Marshall
P14AC01791/0	<i>Boulderers' perceptions of Leave No Trace in Rocky Mountain National Park: Improving resource conditions and visitor experience</i>	14	\$15,000	
NPS	<i>New Award</i>	9 /29/2014	<i>through</i>	12/31/2016
Derrick Taff	biological	research		David Pettebone
<b>Total Actions by FY:</b>		<b>14</b>	<b>Total for FY: 14</b>	
			<b>\$741,498.00</b>	
15-JV-11242302-048/0	<i>Effects of vegetation, corridor width and regional land use on avian use and productivity within shale gas pipelines and adjacent forest habitat</i>	15	\$25,260	
USFS	<i>New Award</i>	6 /11/2015	<i>through</i>	8 /2 /2017
To Be Determined	To Be Determined	To Be Assigned		To Be Assigned

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
68-7482-15-527/0	<b><i>Web-based tool for estimating climate change impacts on CONUS cropping patterns using the National Commodity Crop Productivity Index</i></b>		15	<b>\$75,000</b>	
USDA NRCS	<b><i>New Award</i></b>		9 /16/2015	<i>through</i>	9 /30/2016
To Be Determined	To Be Determined		To Be Assigned	To Be Assigned	
P12AC30171/0	<b><i>Appalachian National Scenic Trail: Hiker Perspectives of Power Lines and Development Study</i></b>		15	<b>\$0</b>	
NPS	<b><i>NCTE</i></b>		9 /1 /2013	<i>through</i>	12/31/2015
To Be Determined	To Be Determined		To Be Assigned	To Be Assigned	
P13AC00802/3	<b><i>Modeling Evapotranspiration (ET) in Everglades Natinal Park using Eddy Covariance Data and Satellite-based Information</i></b>		15	<b>\$75,000</b>	
NPS	<b><i>additional funds and scope</i></b>		8 /6 /2013	<i>through</i>	12/31/2016
Jose Fuentes	biological	research	To Be Assigned	To Be Assigned	
P13AC01255/2	<b><i>Informing Visitor Use Management Strategies for the Moose-Wilson Corridor, Grand Teton National Park</i></b>		15	<b>\$9,338</b>	
NPS	<b><i>Additional Funding</i></b>		8 /1 /2013	<i>through</i>	6 /30/2016
Peter Newman			To Be Assigned	To Be Assigned	
P14AC00209/1	<b><i>Climate Monitoring and Reporting in the Eastern Rivers and Mountains and the Mid-Atlantic Networks of the National Park Service US DOI</i></b>		15	<b>\$0</b>	
NPS	<b><i>Change in PI, NCTE</i></b>		11/4 /2015	<i>through</i>	12/31/2016
Kyle Imhoff	biological	research	Matthew Marshall		

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
P14AC01373/1	<i>Radial growth analysis of trees in the National Park Service Eastern Rivers and Mountains Network</i>		15	\$35,457	
NPS	<i>additional funding</i>		9 /1 /2015	<i>through</i>	8 /30/2018
Margot Kaye	biological	research	Fred Dieffenbach		
P14AC01495/1	<i>Bird Community Composition and Site Occupancy Dynamics in the National Park Service Eastern Rivers and Mountains Network</i>		15	\$70,153	
NPS	<i>additional funding</i>		7 /1 /2015	<i>through</i>	12/31/2017
Bruce Miller	biological	research	Matthew Marshall		
<b><i>Total Actions by FY:</i></b>		<b>8</b>	<b><i>Total for FY:</i></b>		<b>15</b>
<b><i>Total Actions by Partner:</i></b>		<b>51</b>	<b><i>Total for:</i></b>		<b>PSU</b>
<b><i>Partner Institution:</i></b>		<b>University of Richmond</b>			
P14AC01729/0	<i>Evaluating Potential National Natural Landmarks (NNL)</i>		14	\$22,822	
NPS	<i>New Award</i>		9 /12/2014	<i>through</i>	9 /30/2017
Todd Lookingbill	biological	research	Carolyn Davis		
W9126G-14-2-0077/0	<i>Amphibian and Prothonotary Warbler Surveys</i>		14	\$110,091	
DOD,DUSD	<i>New Award</i>		9 /30/2014	<i>through</i>	3 /31/2016
Kristine Grayson			To Be Assigned To Be Assigned		
<b><i>Total Actions by FY:</i></b>		<b>2</b>	<b><i>Total for FY:</i></b>		<b>14</b>
<b><i>Total Actions by Partner:</i></b>		<b>2</b>	<b><i>Total for:</i></b>		<b>RICH</b>

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution:</b> <i>Shippensburg University</i>			
N/A-SHIP/0	<b>NOTE:</b> <i>There have been no CW CESU projects reported to the host office for Shippensburg University.</i>	15	\$0
To Be Determined	To Be Determined	through	To Be Assigned
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>15</i>
<b>Total Actions by Partner:</b>		<i>1</i>	<b>Total for:</b> <i>SHIP</i>
			<b>\$0.00</b>
			<b>\$0.00</b>

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution: University of Delaware</b>				
68-7482-11-500/0	<i>Assessment of waterbird response to the NRCS migratory bird habitat initiative using NEXRAD radar data</i>	11	\$96,479	
USDA NRCS	<i>New Award</i>	3 /1 /2011	<i>through</i>	2 /28/2013
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	
J-2112-10-0419/2	<i>Implementing the Avian Monitoring Protocol for hte National Park Sevice Units of the National Capital Region Network</i>	11	\$64,878	
NPS	<i>Additional Funds, updated deliverables, updated timelines</i>	4 /1 /2010	<i>through</i>	12/31/2015
Greg Shriver	biological	research	Patrick Campbell	
J-8819-10-0113/1	<i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>	11	\$0	
NPS	<i>Admin Modification</i>	9 /1 /2010	<i>through</i>	9 /30/2013
Jennifer Gutierrez	archeological	research	Barbara Beroza	
<b>Total Actions by FY: 3</b>		<b>Total for FY: 11</b>		<b>\$161,357.00</b>
P10AC00054/2	<i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>	12	\$0	
NPS	<i>TA number change from: J-8819-10-0113 to P10AC00054</i>	10/1 /2012	<i>through</i>	9 /30/2013
Vicki Cassman	archeological	research	Barbara Beroza	
<b>Total Actions by FY: 1</b>		<b>Total for FY: 12</b>		<b>\$0.00</b>

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P10AC00054/3	<i>Museum Photographic Collection Condition Survey and Treatments (YOSE)</i>	13	\$0
NPS	<i>NCE</i>	10/1 /2013	<i>through</i> 12/31/2013
Vicki Cassman	archeological	research	Barbara Beroza
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 13</b>
			<b>\$0.00</b>
G14AC00057/0	<i>Assessing Possible Impacts of Hurricane Sandy o Migrating Landbirds from Weather Radar Observations</i>	14	\$84,000
USGS	<i>New Award</i>	4 /1 /2014	<i>through</i> 3 /18/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00088/0	<i>Hurrican Sandy - Linking Coastal Processess and Vulnerability - Assateague Island Regional</i>	14	\$150,000
USGS	<i>New Award</i>	4 /1 /2014	<i>through</i> 3 /31/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
P14AC00380/0	<i>Submerged marine habitat mapping: a foundation for enhancing resilience to climate change and other stressors, Assateague Island National Seashore</i>	14	\$299,998
NPS	<i>New Award</i>	4 /29/2014	<i>through</i> 10/31/2016
Arthur Trembanis	biological	research	Charles Roman
P14AC00380/1	<i>Submerged marine habitat mapping: a foundation for enhancing resilience to climate change and other stressors, Assateague Island National Seashore</i>	14	\$490,000
NPS	<i>Additional funding and scope</i>	4 /29/2014	<i>through</i> 10/31/2016
Arthur Trembanis	biological	research	Charles Roman

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P14AC00494/0	<i>Implementing the Avian Monitoring Protocol for hte National Park Sevice Units of the National Capital Region Network</i>	14	\$64,586
NPS		4 /1 /2014 <i>through</i>	12/31/2017
Greg Shriver	biological	research	Patrick Campbell
P14AC00494/1	<i>Implementing the Avian Monitoring Protocol for hte National Park Sevice Units of the National Capital Region Network</i>	14	\$55,551
NPS	<i>Second Year Funding</i>	4 /1 /2014 <i>through</i>	12/31/2017
Greg Shriver	biological	research	Amanda Irwin Campbell
P14AC01582/0	<i>Review and Testing Avian Monitoring Protocols for the Mid-Atlantic and National Capital Region I&amp;M Networks of the National Park Service</i>	14	\$59,398
NPS	<i>New Award</i>	9 /16/2014 <i>through</i>	12/31/2016
Greg Shriver	biological	research	Patrick Campbell
<b>Total Actions by FY: 7</b>		<b>Total for FY: 14</b>	
		<b>\$1,203,533.00</b>	
P14AC00494/2	<i>Implementing the Avian Monitoring Protocol for hte National Park Sevice Units of the National Capital Region Network</i>	15	\$46,443
NPS	<i>additional funding</i>	4 /1 /2014 <i>through</i>	12/31/2017
Greg Shriver	biological	research	Patrick Campbell
W912HZ-15-2-0028/0	<i>Evaluating State-of-the-art Methods and Modeling Techniques fro Rubble Mound Structure</i>	15	\$35,000
USACE	<i>New Award</i>	9 /30/2015 <i>through</i>	9 /29/2016
Nobuhisa Kobayashi		To Be Assigned	To Be Assigned

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>		
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>		
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY:</b>	<b>15</b>	<b>\$81,443.00</b>
<b>Total Actions by Partner:</b>		<b>14</b>	<b>Total for:</b>	<b>UD</b>	<b>\$1,446,333.00</b>
<b>Partner Institution: University of Maryland Baltimore County</b>					
11-JV-11242306-098/0	<i>Spectral and 3D structural remote sensing of tree, forest structure, and land cover features at the wildland-urban interface using computer vision techniques</i>	11			\$29,436
USFS	<i>New Award</i>	9 /16/2011	<i>through</i>	7 /31/2016	
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY:</b>	<b>11</b>	<b>\$29,436.00</b>
P13AC01429/0	<i>Internships in resource management in national parks in urbanizing landscapes</i>	13			\$98,450
NPS	<i>New Award</i>	9 /1 /2013	<i>through</i>	12/31/2015	
Christopher Swan			Marian Norris		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY:</b>	<b>13</b>	<b>\$98,450.00</b>
P13AC01429/1	<i>Internships in resource management in national parks in urbanizing landscapes</i>	15			\$10,000
NPS	<i>Additional Funding</i>	9 /1 /2013	<i>through</i>	12/31/2018	
Christopher Swan			Marian Norris		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY:</b>	<b>15</b>	<b>\$10,000.00</b>
<b>Total Actions by Partner:</b>		<b>3</b>	<b>Total for:</b>	<b>UMBC</b>	<b>\$137,886.00</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution: University of Maryland Center for Environmental Science Appalachian Laboratory</b>				
J-2112-10-0438/1	<b>Modeling Coastal Vulnerabilty for Tidal Reaches of hte Potomac and Anacostia Rivers</b>	<b>11</b>	<b>\$190,000</b>	
NPS	<i>Funds for year 2 and partial year 3 added; term extended on year</i>	7 /12/2010	<i>through</i>	12/31/2014
Andrew Elmore	biological	research	Geoffrey Sanders	
J-3992-05-0102/3	<b>Discovery of remnant populations of the endangered dwarf wedge mussel using GIS habitat analysis</b>	<b>11</b>	<b>\$0</b>	
NPS	<i>No-Cost Extension</i>	1 /1 /2010	<i>through</i>	12/31/2011
Robert Hilderbrand	biological	research	Diane Pavek	
P11AT31040/0	<b>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</b>	<b>11</b>	<b>\$3,050</b>	
NPS	<i>New</i>	9 /19/2011	<i>through</i>	12/31/2013
Katharina Engelhardt	biological	research	Walter Zachritz	
<b>Total Actions by FY: 3</b>		<b>Total for FY: 11</b>		<b>\$193,050.00</b>
J-2112-10-0438/2	<b>Modeling Coastal Vulnerabilty for Tidal Reaches of hte Potomac and Anacostia Rivers</b>	<b>12</b>	<b>\$76,000</b>	
NPS	<i>Additional Funds - year 3, revised statement of work</i>	6 /21/2012	<i>through</i>	12/31/2014
Andrew Elmore	biological	research	Geoffrey Sanders	

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>		<i>Agency Representative</i>
P12AC11128/0	<i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Histoirical Park</i>	12	\$4,000	
NPS	<i>New Project</i>	8 /23/2012	<i>through</i>	9 /30/2013
J. Edward Gates	biological	research		Michelle Carter
P12AC11128/1	<i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Histoirical Park</i>	12	\$0	
NPS	<i>Admin Mod</i>		<i>through</i>	
J. Edward Gates	biological	research		Michelle Carter
T-3097-01-001/9	<i>Establishment and Project Support for the NPS NCR CWCESU</i>	12	\$0	
NPS	<i>SubProject-Funding Distribution; Additional funds: Data Analysis and Communication Enhancement for the Chesapeake Watershed Cooperative Ecosystem Studies Unit / Extended Term</i>	9 /1 /2001	<i>through</i>	12/31/2012
Robert Gardner	interdisciplinary	technical assistance		Diane Pavek
<b>Total Actions by FY:</b>		<b>4</b>	<b>Total for FY: 12</b>	
			<b>\$80,000.00</b>	
P10AC00042/3	<i>Modeling Coastal Vulnerabilty for Tidal Reaches of hte Potomac and Anacostia Rivers</i>	13	\$0	
NPS	<i>Administrative mod for NPS FBMS FA award number conversion. Previous TA: J-2112-10-0438 / New TA: P10AC00042</i>	1 /1 /2015	<i>through</i>	12/31/2015
Andrew Elmore	biological	research		Geoffrey Sanders

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P10AC00042/3	<i>Modeling Coastal Vulnerability for Tidal Reaches of hte Potomac and Anacostia Rivers</i>	13	\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion. Previous TA: J-2112-10-0438 / New TA: P10AC00042</i>	1 /1 /2015	<i>through</i> 12/31/2015
Andrew Elmore	biological	research	Geoffrey Sanders
P10AC00042/4	<i>Modeling Coastal Vulnerabilty for Tidal Reaches of hte Potomac and Anacostia Rivers</i>	13	\$0
NPS	<i>No Cost Extension</i>	1 /1 /2015	<i>through</i> 12/31/2015
Andrew Elmore	biological	research	Geoffrey Sanders
P11AC90484/1	<i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>	13	\$0
NPS	<i>Admin Mod</i>		<i>through</i>
Katharina Engelhardt	biological	research	Walter Zachritz
P11AC90484/2	<i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>	13	\$0
NPS	<i>Admin mod</i>		<i>through</i>
Katharina Engelhardt	biological	research	Walter Zachritz
P11AC90484/3	<i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>	13	\$0
NPS	<i>Admin Mod, NCE</i>	9 /19/2011	<i>through</i> 6 /30/2015
Katharina Engelhardt	biological	research	Walter Zachritz

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P12AC11128/2	<i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Historical Park</i>	13	\$1,200
NPS	<i>Modified SOW and additional funds</i>	10/1 /2013 <i>through</i>	12/31/2014
J. Edward Gates	biological	research	Michelle Carter
<b>Total Actions by FY: 7</b>		<b>Total for FY: 13</b>	
		<b>\$1,200.00</b>	
P10AC00042/5	<i>Modeling Coastal Vulnerability for Tidal Reaches of the Potomac and Anacostia Rivers</i>	14	\$5,963
NPS	<i>Additional Funds</i>	7 /12/2010 <i>through</i>	12/31/2015
Andrew Elmore	biological	research	Geoffrey Sanders
P11AC90484/4	<i>Development of a Sustainable Best Management Plan for Algae and Aquatic Plants in NPS Water Features</i>	14	\$0
NPS	<i>Admin Mod, NCE, change in scope</i>	9 /19/2011 <i>through</i>	12/31/2015
Katharina Engelhardt	biological	research	Walter Zachritz
P12AC11128/3	<i>Bat Swarming Surveys and Monitoring for White-Nose Syndrome at Indigo Tunnel, Cheasapeake and Ohio Canal National Historical Park</i>	14	\$95,000
NPS	<i>Additional Scope and Funds</i>	8 /18/2014 <i>through</i>	12/31/2015
J. Edward Gates	biological	research	Michelle Carter
P14AC01762/0	<i>Inventory of Bat Community Composition and Monitoring for White Nose Syndrome at Five National Park units in Western PA</i>	14	\$95,817
NPS	<i>New Award</i>	9 /16/2014 <i>through</i>	12/31/2015
J. Edward Gates	biological	research	Kathy Penrod

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Total Actions by FY:</b>		<b>4</b>	<b>Total for FY: 14</b>
			<b>\$196,780.00</b>
P14AC01762/1	<i>Inventory of Bat Community Composition and Monitoring for White Nose Syndrome at Five National Park units in Western PA</i>	15	\$146,191
NPS	<i>Additional Funding</i>	7 /1 /2015	through 6 /30/2017
J. Edward Gates	biological	research	Kathy Penrod
P15AC00821/0	<i>Bat Community Composition and Monitoring for White-Nose Syndrome at First State National Monument, Delaware and Pennsylvania</i>	15	\$29,990
NPS	<i>New Award</i>	7 /1 /2015	through 9 /30/2020
J. Edward Gates			Sheila Colwell
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 15</b>
			<b>\$176,181.00</b>
<b>Total Actions by Partner:</b>		<b>20</b>	<b>Total for: UMCES-AL</b>
			<b>\$647,211.00</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution:</b> <i>University of Maryland Center for Environmental Science Chesapeake Biological Laboratory</i>				
J-2132-10-0353/1	<i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>	<b>11</b>	<b>\$61,335</b>	
NPS	<i>Extension, additional funds, change in PI</i>	6 /21/2010	<i>through</i>	4 /30/2012
Laura Murray	social	education	Greg Kudray	
J-2132-10-0353/2	<i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>	<b>11</b>	<b>\$40,097</b>	
NPS	<i>Extension, Additional Funds, Modified SOW</i>	9 /19/2011	<i>through</i>	12/31/2012
Laura Murray	social	education	Greg Kudray	
W912HZ-11-2-0046/0	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	<b>11</b>	<b>\$100,000</b>	
USACE	<i>New Award</i>	9 /23/2011	<i>through</i>	9 /30/2012
Lisa Wainger		To Be Assigned To Be Assigned		
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 11</b>	
			<b>\$201,432.00</b>	
J-3992-08-0100/2	<i>To Weed or Not to Weed? An Economic Decision Support Tool for National Capital Region Parks</i>	<b>12</b>	<b>\$0</b>	
NPS	<i>No cost extension</i>	4 /30/2012	<i>through</i>	9 /30/2012
Lisa Wainger	biological	research	Diane Pavek	
J-3992-08-0100/3	<i>To Weed or Not to Weed? An Economic Decision Support Tool for National Capital Region Parks</i>	<b>12</b>	<b>\$0</b>	
NPS	<i>NCE</i>	9 /30/2012	<i>through</i>	1 /31/2013
Lisa Wainger	biological	research	Diane Pavek	

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
W912HZ-11-2-0046/1	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	12	<b>\$47,000</b>	
USACE	<i>Additona Funds and time</i>	9 /30/2011	<i>through</i>	9 /30/2012
Lisa Wainger		To Be Assigned	To Be Assigned	
W912HZ-11-2-0046/2	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	12	<b>\$0</b>	
USACE	<i>NCTE</i>	9 /23/2011	<i>through</i>	9 /29/2013
Lisa Wainger		To Be Assigned	To Be Assigned	
<b>Total Actions by FY:</b>		<b>4</b>	<b>Total for FY: 12</b>	
			<b>\$47,000.00</b>	
W912HZ-11-2-0046/3	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	13	<b>\$49,900</b>	
USACE	<i>Additional Funds and Time</i>	9 /23/2011	<i>through</i>	11/30/2013
Lisa Wainger		To Be Assigned	To Be Assigned	
W912HZ-11-2-0046/4	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	13	<b>\$114,850</b>	
USACE	<i>NCTE</i>	9 /23/2011	<i>through</i>	9 /30/2014
Lisa Wainger		To Be Assigned	To Be Assigned	
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 13</b>	
			<b>\$164,750.00</b>	
P10AC00050/7	<i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>	14	<b>\$0</b>	
NPS	<i>Term extended, change in NPS contact</i>	9 /29/2014	<i>through</i>	12/30/2014
Laura Murray	social	education	Penny Latham	

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
W912HZ-11-2-0046/5	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	14	\$301,919
USACE		7 /29/2014 <i>through</i>	12/31/2015
Lisa Wainger		To Be Assigned	To Be Assigned
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 14</b>
			<b>\$301,919.00</b>
P10AC00050/8	<i>Development of park focused, web based learning resources for coral communities in the changing climate of parks of the PACN network</i>	15	\$0
NPS		9 /29/2014 <i>through</i>	12/30/2014
Laura Murray	social	education	To Be Assigned To Be Assigned
W912HZ-11-2-0046/6	<i>Incorporating Ecosystem Services in Corps of Engineers Project Planning</i>	15	\$0
USACE	<i>NCTE</i>	8 /17/2015 <i>through</i>	7 /31/2016
Lisa Wainger		To Be Assigned	To Be Assigned
W912HZ-15-2-0029/0	<i>Developing Benefit Indicators and Valuation Approaches for Ecosystem Service Evaluations</i>	15	\$230,000
USACE	<i>New Award</i>	9 /30/2015 <i>through</i>	6 /30/2017
Lisa Wainger		To Be Assigned	To Be Assigned
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 15</b>
			<b>\$230,000.00</b>
<b>Total Actions by Partner:</b>		<b>14</b>	<b>Total for: UMCES-CBL</b>
			<b>\$945,101.00</b>

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution:</b> <i>University of Maryland Center for Environmental Science Horn Point Laboratory</i>			
W912HZ-10-2-0019/1	<b><i>Beyond Light: Defining Sediment and Water Flow SAVE Habitat Requirement</i></b>	<b>11</b>	<b>\$0</b>
USACE	<i>NCTE</i>	6 /2 /2010	<i>through</i> 5 /30/2012
Evamaria Koch	biological	research	To Be Assigned To Be Assigned
W912HZ-10-2-0020/1	<b><i>Refining Site-Selection Criteria for Restoration of SAV in Mesholice Chesapeake Bay</i></b>	<b>11</b>	<b>\$0</b>
USACE	<i>NCTE</i>	6 /1 /2010	<i>through</i> 11/30/2011
Michael Kemp	biological	research	To Be Assigned To Be Assigned
<b><i>Total Actions by FY:</i></b>		<b><i>Total for FY:</i></b>	<b><i>11</i></b>
<b><i>Total Actions by Partner:</i></b>		<b><i>Total for:</i></b>	<b><i>UMCES-HPL</i></b>
			<b><i>\$0.00</i></b>
			<b><i>\$0.00</i></b>

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution: University of Maryland Center for Environmental Science Integration and Application Network</b>				
J-2112-10-0418/2	<b>Natural Resource Assessment of Blueridge Parks in the NCR Network (HAFE, CATO, CHOH)</b>	<b>11</b>	<b>\$74,000</b>	
NPS	<i>Second year funding and PI change</i>	9 /13/2011	<i>through</i>	12/31/2013
Heath Kelsey	interdisciplinary	research	Patrick Campbell	
J-3992-08-0105/1	<b>Assessment of Natural Resource Condition, Assateague island National Seashore (ASIS) in Maryland and Virginia</b>	<b>11</b>	<b>\$0</b>	
NPS	<i>No Cost Extension</i>	8 /21/2008	<i>through</i>	3 /30/2011
William Dennison	biological	technical assistance	John Karish	
<b>Total Actions by FY: 2</b>		<b>Total for FY: 11</b>		<b>\$74,000.00</b>
J-2112-10-0418/3	<b>Natural Resource Assessment of Blueridge Parks in the NCR Network (HAFE, CATO, CHOH)</b>	<b>12</b>	<b>\$50,000</b>	
NPS	<i>Third year funding.</i>	6 /30/2010	<i>through</i>	12/31/2013
Heath Kelsey	interdisciplinary	research	Patrick Campbell	
P12AC10946/0	<b>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</b>	<b>12</b>	<b>\$82,990</b>	
NPS	<i>New Project</i>	7 /23/2012	<i>through</i>	12/31/2014
William Dennison	biological	research	Charles Roman	
P12AC10946/1	<b>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</b>	<b>12</b>		
NPS		9 /10/2012	<i>through</i>	12/31/2014
William Dennison	biological	research	Charles Roman	

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<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
P12AC11187/0	<i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>		12	\$29,165	
NPS	<i>New</i>		8 /29/2012	<i>through</i>	12/31/2015
Heath Kelsey	biological	research	Patrick Campbell		
P12AC11187/1	<i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>		12	\$0	
NPS	<i>Administrative Mod</i>			<i>through</i>	
Heath Kelsey	biological	research	Patrick Campbell		
<b>Total Actions by FY:</b>		<b>5</b>	<b>Total for FY:</b>		<b>12</b>
					<b>\$162,155.00</b>
P12AC10946/2	<i>Assessment of Natural Resource Condition for Shenandoah National Park (Virginia)</i>		13	\$15,000	
NPS	<i>Additional Funds, Modified SOW</i>		9 /10/2013	<i>through</i>	12/31/2014
William Dennison	biological	research	Charles Roman		
P12AC11187/2	<i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>		13	\$74,800	
NPS	<i>Additional Funds &amp; year two awarded.</i>		9 /6 /2013	<i>through</i>	12/31/2015
Heath Kelsey	biological	research	Patrick Campbell		
P13AC01433/0	<i>Development of smart phone applications focused on NPS Pacific Island Resources</i>		13	\$32,746	
NPS	<i>New Project</i>		7 /1 /2013	<i>through</i>	12/30/2014
Heath Kelsey	social	education	Greg Kudray		
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY:</b>		<b>13</b>
					<b>\$122,546.00</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P13AC01433/3	<i>Development of smart phone applications focused on NPS Pacific Island Resources</i>	14	\$0
NPS	<i>NCE</i>	7 /13/2014 <i>through</i>	12/31/2015
Heath Kelsey	social	education	To Be Assigned To Be Assigned
<b><i>Total Actions by FY:</i></b>		<b><i>1</i></b>	<b><i>Total for FY: 14</i></b>
			<b><i>\$0.00</i></b>
P12AC11187/4	<i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>	15	\$42,710
NPS	<i>Additional Funds</i>	10/1 /2011 <i>through</i>	12/1 /2015
Heath Kelsey	biological	research	Patrick Campbell
<b><i>Total Actions by FY:</i></b>		<b><i>1</i></b>	<b><i>Total for FY: 15</i></b>
			<b><i>\$42,710.00</i></b>
P12AC11187/5	<i>Natural Resource Condition Assessment of Parks in the NCR Network (GWMP, NACE, PRWI, WOTR)</i>	16	\$0
NPS	<i>NCE</i>	10/1 /2011 <i>through</i>	3 /31/2016
Heath Kelsey	biological	research	Amanda Irwin Campbell
<b><i>Total Actions by FY:</i></b>		<b><i>1</i></b>	<b><i>Total for FY: 16</i></b>
			<b><i>\$0.00</i></b>
<b><i>Total Actions by Partner:</i></b>		<b><i>13</i></b>	<b><i>Total for: UMCES-IAN</i></b>
			<b><i>\$401,411.00</i></b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution: University of Maryland College Park</b>			
J-1700-10-0900/1	<b><i>Ethnographic Documentation of the Tarn, Acadia National Park</i></b>	<b>11</b>	<b>\$0</b>
NPS	<b><i>NCE</i></b>	5 /31/2011	<i>through</i> 12/31/2011
Shirley Fiske	biological	research	Chuck Smythe
J-3086-10-0061/1	<b><i>Preservation of National Park Service Musuem Collections</i></b>	<b>11</b>	<b>\$95,000</b>
NPS	<b><i>Additional Funds, modified scope</i></b>	9 /20/2010	<i>through</i> 9 /30/2013
Paul Shackel	cultural	education	Gary Scott
J-4190-10-0031/1	<b><i>Ethnographic Overview and Assessment, Assateague Island Natinal Seashore</i></b>	<b>11</b>	<b>\$15,000</b>
NPS	<b><i>Additional Funds</i></b>	5 /20/2010	<i>through</i> 8 /30/2012
Randy Chambers	biological	research	Chuck Smythe
J-4770-10-0408/1	<b><i>Consultations with Culturally Affiliated Indian Tribes, Pertersburg National Battlefield Park</i></b>	<b>11</b>	<b>\$0</b>
NPS	<b><i>No cost exension</i></b>	9 /30/2010	<i>through</i> 8 /30/2012
Erve Chambers	cultural	technical assistance	Chuck Smythe
P11AT31052/0	<b><i>List of Classified Structures Update for Chesapeake &amp; Ohio Canal NHP and George Washington Memorial Parkway NP</i></b>	<b>11</b>	<b>\$80,000</b>
NPS	<b><i>New</i></b>	10/13/2011	<i>through</i> 9 /15/2012
Donald Linebaugh	archeological	research	Catherine Dewey

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P11AT31053/0	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>	11	\$60,000
NPS	<i>New</i>	9 /20/2011 <i>through</i>	12/31/2013
Paul Shackel	archeological	research	Gary Scott
<b>Total Actions by FY: 6</b>		<b>Total for FY: 11</b>	<b>\$250,000.00</b>
68-7482-12-534/0	<i>Soil Carbon Dynamics in Barrier Island Landscapes</i>	12	\$40,000
USDA NRCS	<i>New Award</i>	9 /1 /2012 <i>through</i>	2 /28/2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G12AC20041/0	<i>Development of the Global Land Cover Initiative Suite of Products</i>	12	\$750,000
USGS	<i>New Award</i>	2 /1 /2012 <i>through</i>	1 /31/2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
J-2340-10-0163/1	<i>Estimating Masking Effects of Anthropogenic Noise on Wildlife</i>	12	\$0
NPS	<i>NCE</i>	1 /1 /2013 <i>through</i>	12/31/2013
Robert Dooling	biological	research	Kurt Fristrup
J-3086-10-0061/2	<i>Preservation of National Park Service Musuem Collections</i>	12	\$145,000
NPS	<i>Additional Funds</i>	10/1 /2012 <i>through</i>	12/31/2013
Paul Shackel	cultural	education	Robert Sonderman
J-3086-10-0061/3	<i>Preservation of National Park Service Musuem Collections</i>	12	\$154,996
NPS	<i>Additional Funds, Modified SOW, Personnel Change.</i>	9 /26/2012 <i>through</i>	9 /30/2013
Paul Shackel	cultural	education	Robert Sonderman

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
J-3086-10-0061/4	<i>Preservation of National Park Service Musuem Collections</i>	12	\$24,590
NPS	<i>Additional Funds, modified SOW</i>	9 /26/2012	<i>through</i> 12/31/2013
Paul Shackel	cultural	education	Robert Sonderman
P11AT31053/1	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>	12	\$0
NPS	<i>Admin mod.</i>		<i>through</i>
Paul Shackel	archeological	research	Matt Virta
P12AC10918/0	<i>Furthering Informal Education Activities in the Department of the Interior</i>	12	\$23,712
NPS	<i>New Project</i>	6 /1 /2012	<i>through</i> 12/31/2012
Ann Holmes	social	education	Holly Fisher
P12AC10918/1	<i>Furthering Informal Education Activities in the Department of the Interior</i>	12	\$43,716
NPS	<i>Additional Funds, modified SOW</i>	6 /1 /2012	<i>through</i> 12/31/2012
Ann Holmes	social	education	Holly Fisher
P12AC10918/2	<i>Furthering Informal Education Activities in the Department of the Interior</i>	12	\$0
NPS	<i>Admin Mod, no change.</i>		<i>through</i>
Ann Holmes	social	education	Holly Fisher
P12AC10918/3	<i>Furthering Informal Education Activities in the Department of the Interior</i>	12	\$18,443
NPS	<i>Additional Funds, modified SOW</i>	1 /1 /2013	<i>through</i> 12/31/2013
Ann Holmes	social	education	Holly Fisher

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
<b>Total Actions by FY:</b>		<b>11</b>	<b>Total for FY:</b>		<b>12</b>
					<b>\$1,200,457.00</b>
G13AC00039/0	<i>Assessment of Carbon Consequences of Land Management Greater Yellowstone Region</i>		<b>13</b>	<b>\$148,125</b>	
USGS	<i>New Award</i>		3 /1 /2013	<i>through</i>	2 /28/2015
To Be Determined	To Be Determined		To Be Assigned	To Be Assigned	
G13AC00297/0	<i>Extending and Advancing Remote Sensing Mapping of the Status and Trends of Marshes and Wetlands Forest</i>		<b>13</b>	<b>\$122,115</b>	
USGS	<i>New Award</i>		9 /1 /2013	<i>through</i>	8 /31/2016
To Be Determined	To Be Determined		To Be Assigned	To Be Assigned	
P11AC90485/3	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>		<b>13</b>	<b>\$0</b>	
NPS	<i>No cost Extension</i>		1 /31/2013	<i>through</i>	12/31/2013
Paul Shackel	archeological	research	Matt Virta		
P11AT31053/2	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>		<b>13</b>	<b>\$0</b>	
NPS	<i>Admin mod.</i>			<i>through</i>	
Paul Shackel	archeological	research	Matt Virta		
P12AC10918/4	<i>Furthering Informal Education Activities in the Department of the Interior</i>		<b>13</b>	<b>\$12,551</b>	
NPS	<i>Additional funds, modified scope of work</i>		6 /1 /2012	<i>through</i>	12/31/2013
Ann Holmes	social	education	Walter Zachritz		

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P12AC10918/5	<i>Furthering Informal Education Activities in the Department of the Interior</i>	13	\$35,482
NPS	<i>Additional funds, modified scope of work</i>	6 /1 /2013 <i>through</i>	5 /31/2016
Ann Holmes	social	education	Walter Zachritz
P13AC01416/0	<i>NPS Cultural Resources Climate Change Strategy</i>	13	\$36,673
NPS	<i>New Project</i>	10/23/2013 <i>through</i>	12/31/2014
George Hambrecht	cultural	research	Holly Fisher
P13AC01417/0	<i>List of Classified Structures Update for Chesapeake and Ohio Canal NHP and Antietam National Battlefield</i>	13	\$41,187
NPS	<i>New Project</i>	10/3 /2013 <i>through</i>	1 /31/2015
Donald Linebaugh	physical	research	Catherine Dewey
P13AC01436/0	<i>Museum Resource Center (MRCE) Collections Preservation and Analysis</i>	13	\$60,017
NPS	<i>New Project</i>	10/16/2013 <i>through</i>	12/31/2015
Paul Shackel	cultural	research	Robert Sonderman
P13AC01447/0	<i>Development of a Sustainable Water Feature Management Plan with Focus on Three Water Features in the National Capital Region</i>	13	\$80,000
NPS	<i>New Project</i>	10/10/2013 <i>through</i>	12/31/2014
David Tilley	physical	research	Walter Zachritz
<b>Total Actions by FY:</b>		<b>10</b>	<b>Total for FY: 13</b>
			<b>\$536,149.99</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
68-7482-12-524/0	<b><i>Digital Soil Disaggregation in a Low-Relief Landscape to Support Wetland Restoration Decisions</i></b>	<b>14</b>	<b>\$50,000</b>
USDA NRCS	<i>New Award</i>	9 /15/2014 <i>through</i>	9 /30/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00072/0	<b><i>The Impact of Hurricane Sandy on Estuarine Ecosystems: Measureing Sediment Transport with Autonomous Underwater Vehicles</i></b>	<b>14</b>	<b>\$90,145</b>
USGS	<i>New Award</i>	4 /1 /2014 <i>through</i>	3 /31/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00075/0	<b><i>The Impact of Hurrican Sandy on Estuarine Ecosystems: Modeling Water-Quality and Ecoogical Functions</i></b>	<b>14</b>	<b>\$98,962</b>
USGS	<i>New Award</i>	4 /1 /2014 <i>through</i>	3 /31/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00259/0	<b><i>Carbon consequences of Land Management: A Multi Region Assessment</i></b>	<b>14</b>	<b>\$181,001</b>
USGS	<i>New Award</i>	7 /15/2014 <i>through</i>	7 /14/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00306/0	<b><i>Climate Change Research Activities Synthesis</i></b>	<b>14</b>	<b>\$50,000</b>
USGS	<i>New Award</i>	8 /18/2014 <i>through</i>	8 /17/2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
G14AC00419/0	<b><i>Critical Wildlife Exposure Studies</i></b>	<b>14</b>	<b>\$72,850</b>
USGS	<i>New Award</i>	10/1 /2014 <i>through</i>	4 /30/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P11AC90485/4	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>	14	\$0
NPS	<i>NCE</i>	9 /11/2011	<i>through</i> 12/31/2014
Paul Shackel	archeological	research	Matt Virta
P12AC10918/8	<i>Furthering Informal Education Activities in the Department of the Interior</i>	14	\$230,756
NPS	<i>Additional funds, scope and time</i>	6 /1 /2012	<i>through</i> 12/31/2019
Ann Holmes	social	education	Jacklyn Dostourian
P13AC01416/1	<i>NPS Cultural Resources Climate Change Strategy</i>	14	\$51,999
NPS	<i>Additional Funds and Time</i>	10/23/2013	<i>through</i> 12/31/2015
George Hambrecht	cultural	research	Holly Fisher
P13AC01447/1	<i>Development of a Sustainable Water Feature Management Plan with Focus on Three Water Features in the National Capital Region</i>	14	\$30,000
NPS	<i>Additional Funding and Tme</i>	10/10/2013	<i>through</i> 12/31/2015
David Tilley	physical	research	Walter Zachritz
P14AC01715/0	<i>Ethographic Overview and Assessment Harpers Ferry National Historical Park</i>	14	\$65,000
NPS	<i>New Award</i>	9 /23/2014	<i>through</i> 3 /31/2016
Erve Chambers	biological	research	Jennifer Talken-Spaulding
P14AC01790/0	<i>National Capital Regioin Cultural Resource Program, Support CR-GIS Spatial Data Development</i>	14	\$51,000
NPS	<i>New Award</i>	9 /27/2014	<i>through</i> 12/31/2015
Paul Shackel	biological	research	Maureen Joseph

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P14AC01802/0	<i>Ethnographic Resource Study: Subsistence Fishing on the Potomac and Anacostia Rivers</i>	14	\$60,000
NPS	<i>New Award</i>	1 /15/2015 <i>through</i>	9 /28/2018
Shirley Fiske	biological	research	Jennifer Talken-Spaulding
PA12AC10947/2	<i>Indigenous Cultural Landscapes: Literature Review, Identification and Mapping and Methodology Development</i>	14	\$0
NPS	<i>NCE</i>	8 /1 /2013 <i>through</i>	8 /31/2014
Randy Chambers	biological	research	Peggy Wall
W912HZ-14-2-0017/0	<i>Identifying Problematic Red Parent Material Soils in the Untied States</i>	14	\$195,682
USACE	<i>New Award</i>	9 /26/2014 <i>through</i>	9 /18/2017
Martin Rabenhorst		To Be Assigned	To Be Assigned
<b>Total Actions by FY: 15</b>		<b>Total for FY: 14</b>	
		<b>\$1,227,394.99</b>	
G15AC00183/0	<i>Climate Change Research Activities Synthesis (Phase II)</i>	15	\$199,477
USGS	<i>New Award</i>	6 /1 /2015 <i>through</i>	5 /31/2018
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
P11AC90485/5	<i>Historic Resource Study, Fort Marcy, Chain Bridge area, Little Falls, Pimmet Run area, Virginia</i>	15	\$0
NPS	<i>NCTE</i>	12/31/2014 <i>through</i>	12/31/2015
Paul Shackel	archeological	research	Matt Virta

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P11AC90487/0	<i>List of Classified Structures Update</i>	15	\$50,000
NPS	<i>Additional funds</i>	9 /1 /2014 <i>through</i>	9 /1 /2015
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
P13AC01372/0	<i>Potomac River Gorge Environmental History and Historic Resource Study</i>	15	\$107,000
NPS		10/2 /2014 <i>through</i>	9 /15/2016
Donald Linebaugh		Dean Herrin	
P13AC01416/2	<i>NPS Cultural Resources Climate Change Strategy</i>	15	\$8,265
NPS	<i>Additional Funds</i>	9 /1 /2013 <i>through</i>	1 /31/2017
George Hambrecht	cultural	research	Holly Fisher
P13AC01436/1	<i>Museum Resource Center (MRCE) Collections Preservation and Analysis</i>	15	\$0
NPS	<i>NCTE</i>	10/16/2013 <i>through</i>	12/31/2016
Paul Shackel	cultural	research	Robert Sonderman
P14AC01790/1	<i>National Capital Region Cultural Resource Program, Support CR-GIS Spatial Data Development</i>	15	\$41,052
NPS	<i>Additional Funding</i>	8 /1 /2014 <i>through</i>	12/31/2015
Paul Shackel	biological	research	Maureen Joseph
P14AC01802/1	<i>Ethnographic Resource Study: Subsistence Fishing on the Potomac and Anacostia Rivers</i>	15	\$81,050
NPS	<i>additional funding</i>	9 /1 /2014 <i>through</i>	12/28/2018
Shirley Fiske	biological	research	Jennifer Talken-Spaulding

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P15AC00500/0	<i>Soil Monitoring and Analysis for National Capital Region Network Parks</i>	15	\$20,721
NPS		3 /14/2015	through 3 /14/2017
Ray Weil		Patrick Campbell	
P15AC01164/0	<i>Translation of NPS Interpretive Material from English to Spanish</i>	15	\$29,100
NPS	<i>New Award</i>	6 /1 /2015	through 9 /30/2016
Lacorte		Linda Rosenblum	
P15AC01186/0	<i>Furthering Partnership Activities for the NPS Centennial</i>	15	\$11,477
NPS		6 /7 /2015	through 9 /30/2016
Ann Holmes		To Be Assigned	To Be Assigned
P15AC01541/0	<i>Phase II, CR-GIS Spatial Data</i>	15	\$45,000
NPS	<i>New Award</i>	8 /7 /2015	through 1 /20/2017
Paul Shackel		Maureen Joseph	
P15AC01691/0	<i>Every Kid in a Park Initiative</i>	15	\$132,000
NPS		6 /30/2015	through 8 /5 /2016
Allison Druin		Dr. VanLandingham	
<b>Total Actions by FY:</b>		<b>13</b>	<b>Total for FY: 15</b>
<b>Total Actions by Partner:</b>		<b>55</b>	<b>Total for: UMCP \$3,939,143.98</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution: University of Mary Washington</b>				
P11AT00416/0	<b><i>Historic Structures Analysis of Bowman-Hite House and Bank Barn, Cedar Creek and Belle Grove National Historical Parks</i></b>	<b>11</b>	<b>\$39,500</b>	
NPS	<i>New</i>	6 /22/2011	<i>through</i>	12/31/2012
Michael Spencer	archeological	research	Tonia Horton	
W912HZ-11-2-0040/0	<b><i>Ecological Monitoring of Paint Branch Fish Passage and Stream Restoration Project</i></b>	<b>11</b>	<b>\$39,995</b>	
USACE	<i>New Award</i>	9 /26/2011	<i>through</i>	9 /30/2015
Melanie Szulczwski		To Be Assigned	To Be Assigned	
<b>Total Actions by FY: 2</b>		<b>Total for FY: 11</b>		<b>\$79,495.00</b>
G14AC00202/0	<b><i>Holocene Sedimentation and Sea Level History of the Tidal Marshes of the Potomac and Rappahannock Estuaries</i></b>	<b>14</b>	<b>\$27,462</b>	
USGS	<i>New Award</i>	6 /20/2014	<i>through</i>	6 /19/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned	
P12AC10263/0	<b><i>Assessment of Inputs Leading to Water Quality Issues in a Small Watershed Near Potomac, Maryland</i></b>	<b>14</b>	<b>\$0</b>	
NPS	<i>NCE</i>	8 /30/2013	<i>through</i>	8 /30/2014
Brian Rizzo	biological	research	Michelle Carter	
P14AC01659/0	<b><i>Historic Structures Inventory and Integrity Assessment Blue Ridge Parkway</i></b>	<b>14</b>	<b>\$13,670</b>	
NPS	<i>New Award</i>	9 /8 /2014	<i>through</i>	12/30/2015
Michael Spencer	biological	research	Steven Kidd	

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 14</b>	
			<b>\$41,132.00</b>	
P26AC01045/0	<i>Moisture Ingress Investigatin and Treatment Plan for the Second Bank of the United States, Independence National Historical Park</i>	15	\$73,996	
NPS	<i>New award</i>	6 /22/2015	<i>through</i>	6 /22/2017
Michael Spencer		Tonia Horton		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 15</b>	
			<b>\$73,995.63</b>	
<b>Total Actions by Partner:</b>		<b>6</b>	<b>Total for: UMW</b>	
			<b>\$194,622.63</b>	
<b>Partner Institution:</b>	<i>Univerisy of Nevada</i>			
G15AC00020/0	<i>University of Nevada IAA: Development of Landsat and Climate Products to Assist in Muliti-Temporal Climate and Vegetation Monitoring in the Sierra NV and Great Basin Ecoregions</i>	15	\$20,000	
USGS	<i>University of Nevada, IAA</i>	12/15/2014	<i>through</i>	12/14/2015
To Be Determined	To Be Determined	To Be Assigned To Be Assigned		
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 15</b>	
			<b>\$20,000.00</b>	
<b>Total Actions by Partner:</b>		<b>1</b>	<b>Total for: UN</b>	
			<b>\$20,000.00</b>	

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution: University of Virginia</b>			
J-4531-11-0810/0	<i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in the acid-base chemistry of mountain streams</i>	11	\$383,670
NPS	<i>New</i>	3 /3 /2011	<i>through</i> 6 /30/2013
Bernard Cosby	biological	research	John Karish
P11AT30685/0	<i>Cooperative Watershed Studies</i>	11	\$80,000
NPS	<i>New</i>	8 /1 /2011	<i>through</i> 6 /30/2012
Bernard Cosby	biological	research	John Karish
P11AT30685/1	<i>Cooperative Watershed Studies</i>	11	\$32,000
NPS	<i>Additional Funds</i>	9 /28/2011	<i>through</i> 6 /30/2012
Bernard Cosby	biological	research	John Karish
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 11</b>
			<b>\$495,670.00</b>
P12AC10838/0	<i>Cooperative Watershed Studies</i>	12	\$50,000
NPS	<i>New Project</i>	7 /25/2012	<i>through</i> 12/31/2013
Bernard Cosby	biological	research	John Karish
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 12</b>
			<b>\$50,000.00</b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
G13AV00401/0	<i>Assessing Damage to Coastal Wetlands from Hurricane Sandy in New Jersey and the Delmarva Coast and Their Prospects for Recovery Based on Long Term Archive of Change, and Trajectories of Post-Storm Trends Using the Marsh Surface Condition Index with Landsat</i>	13	\$87,000
USGS	<i>New award</i>	9 /23/2013	<i>through</i> 9 /24/2016
To Be Determined	To Be Determined	To Be Assigned	To Be Assigned
J-4531-11-0810/1	<i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in the acid-base chemistry of mountain streams</i>	13	\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	1 /14/2013	<i>through</i> 6 /30/2013
Bernard Cosby	biological	research	John Karish
P11AT30685/3	<i>Cooperative Watershed Studies</i>	13	\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>		<i>through</i>
Bernard Cosby	biological	research	John Karish
P12AC10838/1	<i>Cooperative Watershed Studies</i>	13	\$0
NPS	<i>Administrative mod for NPS FBMS FA award number conversion.</i>	1 /14/2013	<i>through</i> 1 /14/2013
Bernard Cosby	biological	research	John Karish
P13AC00768/0	<i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>	13	\$50,000
NPS	<i>New Project</i>	7 /30/2013	<i>through</i> 6 /30/2014
Bernard Cosby	biological	research	Ann Kain

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Total Actions by FY:</b>		<b>5</b>	<b>Total for FY: 13</b>
<b>\$137,000.00</b>			
P13AC00768/1	<i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>	14	\$50,000
NPS	<i>Additional funds, scope and time</i>	7 /30/2013 <i>through</i>	6 /30/2015
Todd Scanion	biological	research	Jalyn Cummings
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 14</b>
<b>\$50,000.00</b>			
P13AC000375/4	<i>A multi-scale program in Virginia, West Virginia, and Maryland to assess change in acid-based chemistry of mountain streams</i>	15	\$199,988
NPS		9 /1 /2014 <i>through</i>	12/31/2016
Todd Scanion		Ann Kain	
P13AC00768/2	<i>Cooperative Watershed Studies Program (SWAS/VTSSS)</i>	15	\$50,000
NPS	<i>Additional Funding</i>	1 /1 /2014 <i>through</i>	12/31/2016
Bernard Cosby	biological	research	Ann Kain
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 15</b>
<b>\$249,988.00</b>			
<b>Total Actions by Partner:</b>		<b>12</b>	<b>Total for: UVA</b>
<b>\$982,658.00</b>			
<b>Partner Institution:</b>	<i>Virginia Department of Conservation and Recreation's Division of Natural Heritage</i>		
P15AC01421/0	<i>Inventory of Rare Groundwater Amphipods in Potomac River Gorge (GWMP)</i>	15	\$7,500
NPS	<i>New Award</i>	6 /30/2015 <i>through</i>	7 /31/2017
Ludwig			Brent Steury
<b>Total Actions by FY:</b>		<b>1</b>	<b>Total for FY: 15</b>
<b>\$7,500.00</b>			
<b>Total Actions by Partner:</b>		<b>1</b>	<b>Total for: VaDCR-DNH</b>
<b>\$7,500.00</b>			

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>		<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>		<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>		
<b>Partner Institution:</b> <i>Virginia Commonwealth University</i>					
G15AC00458/0	<i>Use of a sustained release chemical device in assessing effects of systemic insecticides</i>		<b>15</b>	<b>\$20,821</b>	
USGS	<i>New Award</i>		9 /1 /2015	<i>through</i>	8 /31/2016
To Be Determined	To Be Determined		To Be Assigned	To Be Assigned	
W9126G-15-2-0055/0	<i>Red-Headed Woodpecker Survey</i>		<b>15</b>	<b>\$83,208</b>	
DOD,DUSD	<i>New Award</i>		9 /30/2015	<i>through</i>	3 /31/2017
Catherine Viverette	biological	research	To Be Assigned	To Be Assigned	
W9126G-15-2-0059/0	<i>Prothonotary Warbler</i>		<b>15</b>	<b>\$93,227</b>	
DOD,DUSD	<i>New Award</i>		9 /30/2015	<i>through</i>	9 /29/2016
Catherine Viverette	biological	research	To Be Assigned	To Be Assigned	
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY:</b>		<b>15</b>
<b>Total Actions by Partner:</b>		<b>3</b>	<b>Total for:</b>		<b>VCU</b>
			<b>\$197,256.00</b>		
			<b>\$197,256.00</b>		

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
<b>Partner Institution:</b> <i>Virginia Institute of Marine Science</i>				
W912HZ-10-2-0029/1	<i>Large Scale Submerged Aquatic Vegetation (SAV) Restoration Techniques and Technologies: Evaluation of an Aragonite Based System for SAVE Aquaculture</i>	11	\$0	
USACE	<i>NCTE</i>	5 /1 /2011	<i>through</i>	5 /30/2012
Kenneth Moore		To Be Assigned To Be Assigned		
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>11</i>	
			<b>\$0.00</b>	
G14AC00130/0	<i>Evaluating the Limits of Wetland Adaptability to Sea Level Rise</i>	14	\$120,306	
USGS	<i>New Award</i>	5 /15/2014	<i>through</i>	5 /14/2016
To Be Determined	To Be Determined	To Be Assigned To Be Assigned		
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>14</i>	
			<b>\$120,306.00</b>	
P13AC00751/1	<i>Monitoring Estuarine Condition at Colonia Natinal Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network</i>	15	\$50,041	
NPS		9 /22/2014	<i>through</i>	12/31/2015
Kenneth Moore		Charles Roman		
P13AC00751/2	<i>Monitoring Estuarine Condition at Colonia Natinal Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network</i>	15	\$60,461	
NPS	<i>Additional Fund and Scope</i>	9 /22/2014	<i>through</i>	12/31/2016
Kenneth Moore		Charles Roman		

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
P15AC0106/0	<i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i>	15	\$4,769
NPS Bongkeun Song	<i>New Funding</i>	2 /18/2015 <i>through</i> Brent Steury	7 /31/2015
P15AC0106/2	<i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i>	15	\$0
NPS Bongkeun Song	<i>NCTE</i>	2 /28/2015 <i>through</i> Brent Steury	12/31/2015
W9126G-15-2-0064/0	<i>Shoreline Study and Managmen Plan for US Army Garrison Adelphi Laboratory Center and Blossom Point Research Facility, Maryland</i>	15	\$44,780
DOD,DUSD Scott Hardaway	<i>New Award</i>  biological                      research	9 /30/2015 <i>through</i> To Be Assigned	9 /29/2016 To Be Assigned
<b><i>Total Actions by FY:</i></b>		<b><i>5</i></b>	<b><i>Total for FY: 15</i></b>
			<b><i>\$160,051.00</i></b>
P15AC0106/1	<i>Anthropogenic Soil Disturbance Affects and Baseline Inventory of Archaea for the George Washington Memorial Parkway, McLean Virginia</i>	16	\$0
NPS Bongkeun Song	<i>NCTE</i>	2 /18/2015 <i>through</i> Brent Steury	7 /31/2015
<b><i>Total Actions by FY:</i></b>		<b><i>1</i></b>	<b><i>Total for FY: 16</i></b>
			<b><i>\$0.00</i></b>
<b><i>Total Actions by Partner:</i></b>		<b><i>8</i></b>	<b><i>Total for: VIMS</i></b>
			<b><i>\$280,357.00</i></b>

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution: The College of William and Mary</b>			
J-3992-08-0700/3	<i>Monitoring Estuarine Condition at Colonial national Historical Park, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network 2008 and 2009</i>	11	\$52,978
NPS	<i>Additional Funds</i>	8 /2 /2010 <i>through</i>	1 /31/2013
Kenneth Moore	biological	research	Sara Stevens
J-4240-10-0001/1	<i>Archaeological Research and Investigation at eh Hite-Whitham Farm, Cedar Creek and Belle Grove National Historical Park, NPS</i>	11	\$45,000
NPS	<i>Additional Funds</i>	10/1 /2011 <i>through</i>	12/31/2012
Joe Jones	archeological	research	Tonia Horton
P11AT31013/0	<i>Historic Resource Study for Proposed National Historic Landmark (NHL) Nomination Revision, Cedar Creek and Belle Grove National Historical Park</i>	11	\$55,000
NPS	<i>New</i>	9 /8 /2011 <i>through</i>	12/30/2012
Joe Jones	archeological	research	Tonia Horton
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 11</b>
			<b>\$152,978.00</b>
P12AC10932/0	<i>Developing the American Colonial Experiences Web Site</i>	12	\$14,688
NPS	<i>New Project</i>	7 /20/2012 <i>through</i>	12/31/2013
Heather Huyck	social	education	Stanley Bond

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<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
P12AC11096/0	<i>Monitoring Estuarine Condition at Colonia NHP, George Washington Birthplace National Monument, and Assateague Island National Seashore, Northeast Coastal and Barrier Network, 2012-2013</i>	12	\$58,208	
NPS	<i>New Project</i>	6 /1 /2012	<i>through</i>	12/31/2014
Kenneth Moore	biological	research	Charles Roman	
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 12</b>	
			<b>\$72,896.00</b>	
P13AC00788/0	<i>Ethnographic Overview and Assessment of the Cape Cod National Seashore</i>	13	\$100,000	
NPS	<i>New Project</i>	7 /31/2013	<i>through</i>	12/31/2015
Kathleen Bragdon	cultural	research	Chuck Smythe	
P13AC01282/0	<i>Archaeological Research and Investigation at the Eastern Front Unit, Petersburg National Battlefield, Virginia, NPS</i>	13	\$65,000	
NPS	<i>New Project</i>	9 /10/2013	<i>through</i>	7 /1 /2015
Joe Jones	cultural	research	Jim Kendrick	
W912HZ-13-2-0004/0	<i>Testing a Potential Water Quality Indicator for Chesapeake Bay</i>	13	\$85,000	
USACE	<i>New Project</i>	2 /21/2013	<i>through</i>	6 /30/2014
Robert Orth	biological	research	Sherry Whitaker	
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 13</b>	
			<b>\$250,000.00</b>	
P14AC01532/0	<i>Archeological Overview and Assessment of Richmond National Battlefield Park, Richmond VA</i>	14	\$95,000	
NPS	<i>New Award</i>	8 /20/2014	<i>through</i>	9 /30/2016
Joe Jones	biological	research	Jim Kendrick	

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>	
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>	
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>	
P14AC1358/0	<i>Identify and Evaluate Archeological Sites on Fire Island National Seashore Threatened by Coastal Erosion</i>	14	\$70,000	
NPS	<i>New Award</i>	9 /10/2014	<i>through</i>	9 /1 /2016
Joe Jones	biological	research	William Griswold	
<b>Total Actions by FY:</b>		<b>2</b>	<b>Total for FY: 14</b>	
			<b>\$165,000.00</b>	
P0900026/6	<i>Comparative Research on Regional Algonquian Phases at the Manna Site Delaware Water Gap National Recreation Area, Pike County PA</i>	15	\$0	
NPS		8 /1 /2009	<i>through</i>	6 /30/2015
Joe Jones			Jim Kendrick	
P12AC10932/1	<i>Developing the American Colonial Experiences Web Site</i>	15	\$0	
NPS	<i>NCTE</i>	7 /20/2012	<i>through</i>	6 /30/2015
Heather Huyck	social	education	Stanley Bond	
W9126G-15-2-0056/0	<i>Level II HABS//HAER/HAL Documentation of the E4400 Block at Aberdeen Proving Ground</i>	15	\$28,777	
DOD,DUSD	<i>New Award</i>	9 /30/2015	<i>through</i>	9 /29/2016
Joe Jones	biological	research	To Be Assigned To Be Assigned	
<b>Total Actions by FY:</b>		<b>3</b>	<b>Total for FY: 15</b>	
			<b>\$28,777.00</b>	
<b>Total Actions by Partner:</b>		<b>13</b>	<b>Total for: W&amp;M</b>	
			<b>\$669,651.00</b>	

## *CW CESU Project List - Complete - 2011-2016*

<i>Project Number</i>	<i>Project Title</i>	<i>FY of TA or Mod</i>	<i>Funding Amount</i>
<i>Agency</i>	<i>Mod Notes, Sub-Project or New Title</i>	<i>Start Date</i>	<i>End Date</i>
<i>University Principal Investigator</i>	<i>Discipline</i>	<i>Project Type</i>	<i>Agency Representative</i>
<b>Partner Institution:</b> <i>Western Pennsylvania Conservancy</i>			
P12AC10940/2	<i>Mapping Submerged Aquatic Vegetation in the Upper and Middle Delaware Scenic and Recreational Rivers</i>	14	\$0
NPS	<i>NCE</i>	12/1 /2013	<i>through</i> 12/31/2014
Ephraim Zimmerman	biological	research	Richard Evans
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>14</i> <span style="float: right;">\$0.00</span>
P12AC10940/4	<i>Mapping Submerged Aquatic Vegetation in the Upper and Middle Delaware Scenic and Recreational Rivers</i>	15	\$0
NPS	<i>NCTE</i>	12/31/2015	<i>through</i> 4 /1 /2016
Ephraim Zimmerman	biological	research	Richard Evans
<b>Total Actions by FY:</b>		<i>1</i>	<b>Total for FY:</b> <i>15</i> <span style="float: right;">\$0.00</span>
<b>Total Actions by Partner:</b>		<i>2</i>	<b>Total for:</b> <i>WPC</i> <span style="float: right;">\$0.00</span>
<b>Total Actions by CWCESU:</b>		<i>297</i>	<b>Total for the CWCESU:</b> <span style="float: right;">\$16,831,692.86</span>